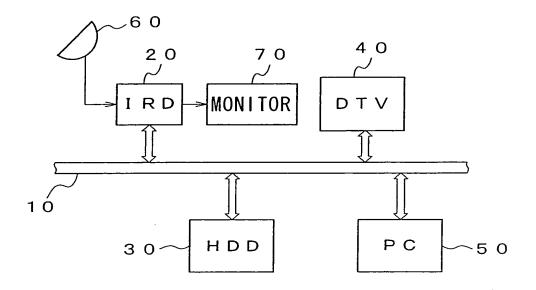
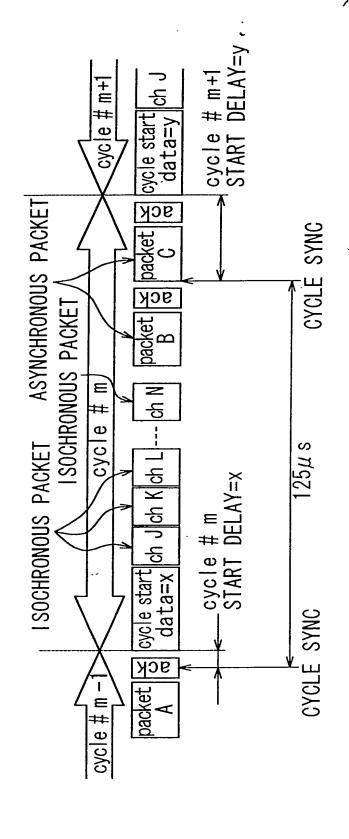
F I G. 1



F I G. 2



FFF FFFF **S** මු 88 CSR Architecture Serial Bus Offset Lo (28 bits) Config ROM initial unit space PCRs initial register space private space Offset Hi (20 bits) initial memory space (broadcast) Node ID (6 bits) node #0 node #1 node #62 node #63 bus #1023 (local bus) bus ID (10 bits) bus #1022 0# snq #1 snq

Я Б.

F 1 G 4

OFFSETS	NAMES	FUNCTIONS
4000	STATE_CLEAR	STATE AND CONTROL INFORMATION
004h	STATE_SET	SET STATE_CLEAR BIT
008h	NODE_IDs	INDICATE 16-BIT NODE ID
00Ch	RESET_START	START COMMAND RESET
018h-01Ch	SPL I T_T I MEOUT	PRESCRIBE MAXIMUM TIME OF SPLIT
200h	CYCLE_TIME	CYCLE TIME
210h	BUSY_TIMEOUT	PRESCRIBE LIMIT OF RETRY
21Ch	BUS_MANAGER	INDICATE BUS MANAGER ID
220h	BANDWIDTH_AVAILABLE	INDICATE BAND WIDTH THAT CAN BE ASSIGNED TO ISOCHRONOUS COMMUNICATION
224h-228h	CHANNELS_AVA I LABLE	INDICATE USED STATE OF EACH
		CHANNEL

FIG. 5

ج										
ngt	info_length crc_length rom	_crc_value								
nfo_length ←→	bus_info_block root_directory									
info										
	unit_directories									
	root & unit leaves									
	vendor_dependent_infor	rmation								

F I G. 6;

400h	04h	crc_length	rom_cr	c_value						
	Bus_info_block									
404h	"1394"									
408h										
40Ch	Company_I D Chip_I D_hi									
410h	Chip_I D_lo									
	Root_directory									
414h	h root_length CRC									
418h	03h module_vendor_id									
41Ch	OCh node_capabilities									
420h	8Dh node_unique_id offset									
424h	D1h unit_directory_offset									
428h										
	≝ Optional. <u></u>									
	Unit_directory									
	unit_directory_length CRC									
	12h unit_spec_id									
	13h unit_sw_version									
	eOptional.									
-										

F I G. 7

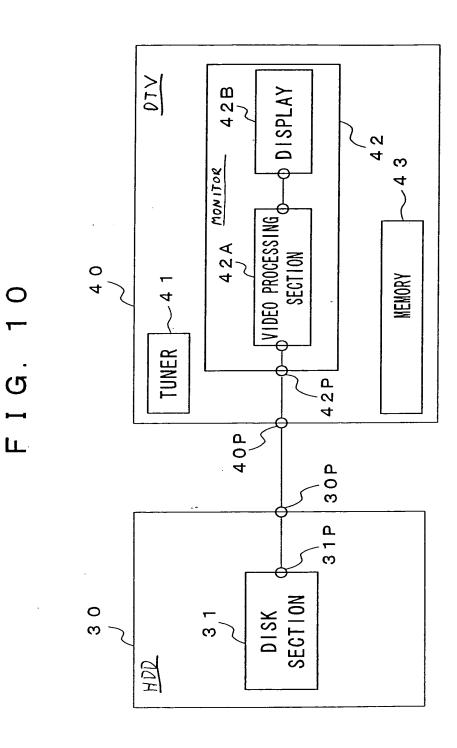
900h	Output Master Plug Register
904h	Output Plug Control Register #0
908h	Output Plug Control Register #1
-	
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
1	
9FCh	Input Plug Control Register #30

F I G.

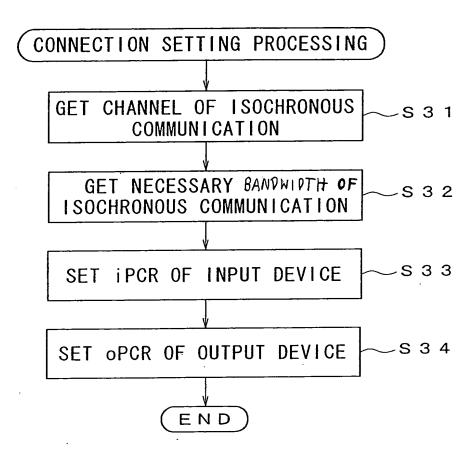
	reserved number of output plugs	5 (bit)		overhead payload	4 10(bit)		number of output plugs	5 (bit)		reserved	16 (bit)
	reservec	က		data over rate I	2		reserved	3		channel	9
	persistent tension field	∞		reserved channel number	9		persistent extension field	∞		reserved	2
	(A) data rate broadcast non-persistent persistent (A) capability channel base extension field	∞	,	point-to-point connection reserv counter	6 2		reserved non-persistent persistent extension field	8		point-to-point connection counter	9
	e broadcast y channel base	9		broadcast poi connection co	, —			9		broadcast connection counter	-
oMPR	data rat capabili	2	oPCR[n]	(B) on-line c	-	iMPR	(C) data rate capability	2	i PCR [n]	(D) on-line	-
	(A)			(B)			(0)			(D)	

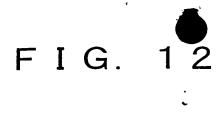
IEEE 1394 bus ISOCHRONOUS DATA FLOW AV-device 27–3 OPOR[1] OMPR F I G. 9 AV-device POR[0] TiPOR[1 i MPR oMPR AV-device 27-2 _channel_#2 channel.#1 i MPR

(L



F I G. 11:





Monit	or Subunit dependent information
Address offset	
0000 16	Subunit_dependent_length=33bytes
000116	oubuiii c_dopondono_vongen obby obby
-	Datastructure_type=Monitor subunit dependent
	information
	Audio subunit version=FF (hex)
	Monitor_subunit_version=10(hex)
	Number_of_configuration_dependent_information=1
	Configuration_dependent_length=26bytes
	Datastructure_type=Configuration_Information
	Config_ID=1
	Master_cluster_information
	Number_of_source_plug=0
	number_of_fb_dependent_information=2
	fb_dependent_length=10bytes
	Datastructure_type=FB_dependent_information
	fb_type=video_feature
	fb_ID=1
	fb_name=FF
	number_of_destination_plug=1
	Source_ID(1)=subunit destination plug 1
	cluster_information=same as up stream
	fb_dependent_length=10bytes
	Datastructure_type=FB_dependent_information
	fb_type=display
	fb_ID=2
	fb_name=FF
	number_of_destination_plug=1
	Source_ID(1)=fb_type; video feature, fb_ID;1
	cluster_information=none

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FIG. 13 (RELATED ART)

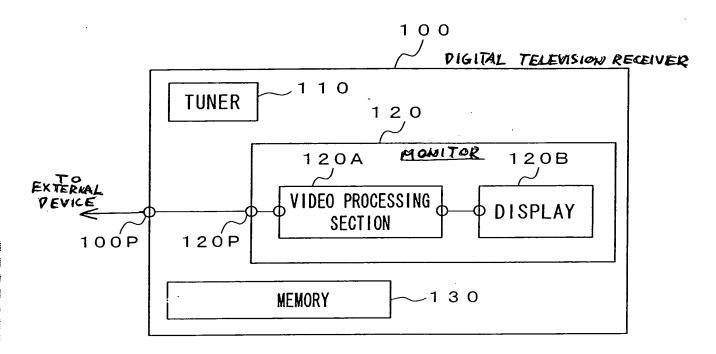


FIG. 14 (RELATED ART)

r Subunit dependent information Contents Subunit_dependent_length=25bytes	Datastructure_type=Monitor subunit dependent information	Audio_subunit_version=FF(hex) Monitor_subunit_version=10(hex) Number of configuration dependent information=1	Configuration_dependent_length=19bytes	 Config_ID=1	Number_of_source_plug=0	Number_of_fb_dependent_information=1 fb_dependent_length=10bytes	Datastructure_type=FB_dependent_information	fb_type=video_feature fb_ID=1	 Number of destination plug=1	Clister information=same as in stream
Monitor Address offset 0000 16										